

HIPLEX® HXM 50100

High Density Polyethylene

HIP-PetroHemija

Message:

HIPLEX® HXM 50100, copolymer of ethylene and hexene, extra high molecular weight and medium molecular weight distribution, is material with the best balance of stress cracking resistance, rigidity and melt strength. HIPLEX® HXM 50100 has very good processability.

APPLICATION:

HIPLEX® HXM 50100 is recommended for medium and large blow moulding products. It is suitable for the manufacture of containers for transport and storage of different chemicals. It is especially suitable for packaging of food.

HIPLEX® HXM 50100 has Health Certificate issued by Institute for Health Protection of Serbia.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Melt Strength		
	Good Processability		
	Hexene Comonomer		
	High ESCR (Stress Crack Resist.)		
	High Rigidity		
	Med.-Wide Molecular Weight Distrib.		
	Recyclable Material		
	Ultra High Molecular Weight		
Uses	Blow Molding Applications		
	Food Packaging		
	Industrial Containers		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (F50)	> 500	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	64		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	26.0	MPa	
Break	30.0	MPa	

Tensile Strain (Break)	700	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	127	°C	ISO 306/B
Additional Information	Nominal Value	Unit	
Blow Molding Temperature	180 to 220	°C	

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Recommended distributors for this material

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